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NEWS RELEASE

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National Geospatial-Intelligence Agency Announces $4 Million in Academic Research Grants

BETHESDA, Md.—Thirteen U.S. colleges and universities are recipients of nearly $4 million in grants from the National Geospatial-Intelligence Agency (NGA) to conduct basic research in geospatial intelligence topics. Begun in 1997, this is an annual solicitation for basic research proposals in geospatial intelligence disciplines from U.S. academic institutions.

The solicitation topics are selected to provide the scientific basis for advanced and applied research in NGA's core disciplines. The Agency's Academic Research Program grants are awarded under the NGA University Research Initiatives (NURI) and the Historically Black College and University – Minority Institution (HBCU-MI) Research Initiatives programs.

The following grants were awarded under the NURI program:

1. Dr. Anshuman Razdan, Arizona State University: "Geometry-based Feature Extraction and Analysis for Geospatial Datasets"
2. Dr. J. L. Mundy, Brown University, "Automated Change Detection Based on Multi-modal Fusion"
3. Dr. Stephen Prisley, Virginia Tech: "Application of Spatial Uncertainty Models to Automatic and Enhance Data Fusion"
4. Dr. Joseph Messina, Michigan State University: "An Ontological Reliability Architecture for the Fusion of Context-Specific Geospatial Data"
5. Dr. Jenny Du, Mississippi State University: "Super-resolution of Motion Image Sequence through Turbulent Atmosphere"
6. Dr. Christopher Jekeli, Ohio State University: "Gravity Gradient Modeling and Analysis Techniques"
7. Dr. Marvin May, Penn State University: "Ship Augmented Gravity Enhancement (SAGE)"
8. Dr. Harvey Rhody, Rochester Institute of Technology: "Automated Imagery Analysis and Scene Modeling"
9. Dr. Bruno Olshausen, University of California, Davis: "Bilinear Models of Natural Images and their Application to Image Analysis"
10. Dr. Kathleen Hornsby, University of Maine: "Spatio-Temporal Data Fusion"

The following grants were awarded under the HBCU-MI program:

1. Dr. Mohen Beheshti, California State University, Dominguez Hills: “Information Fusion in Sensor-based Intrusion Detection Systems”
2. Dr. Mohamed Chouikha, Howard University: “Data Fusion Platform for Improved Information Analysis and Decision-Making”
3. Dr. Robert Li, North Carolina A&T: “A New Approach to Multi-sensor Image Fusion Using Wavelet Transforms”

Dr. Scott Loomer, Science Advisor for Geospatial Sciences in NGA’s InnoVision Directorate, led a selection committee that reviewed 55 proposals from 41 institutions in 26 states.

“We would like to thank all the institutions that submitted proposals and to congratulate those who received grants this year,” said Jaan Loger, NGA InnoVision Director. “The research being conducted by these colleges and universities provides NGA with the science and support to propel geospatial science and technology into the future.”

Additional information about the NGA Academic Research Program can be found at www.nga.mil/narp.

NGA is a Department of Defense combat support agency and a member of the National Intelligence Community. The Agency’s mission is to provide timely, relevant and accurate geospatial intelligence—that shows what’s where on the Earth—in support of our national security.

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